



Revision number:

Purchasing Agent: ROSEMARY FRENCHWOOD

**Item: CRACK SEALING COMPOUND**

Vendor: 66866E DEERY AMERICAN CORPORATION  
P O BOX 4099  
GRAND JUNCTION CO 81502

Internet Homepage: NONE

Telephone: (970) 858-2678

Fax number: (970)858-3679

Contact: WALLY SMITH

Email address: w.smith@deeryamerican.com

Brand/trade name: CMC 115

Price: \$341.80/TON

Terms: NONE

Effective dates: 10/09/01 THROUGH 06/12/03

Days required for delivery: 15 Days ARO

Price guarantee period: ONE YEAR

Minimum order: 45,000 LBS.

Min shipment without charges: N/A

Other conditions: 2 (1) ONE YEAR RENEWAL OPTIONS AVAILABLE

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THIS IS A NEW CONTRACT. (Rebid)

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This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor (creating a PG in Finet) and make payments for the same on a PV referencing the original PG. Agencies will return to the vendor any invoice which reflects incorrect pricing.



**ASPHALT CRACK SEALING COMPOUND**

**\$341.80/TON**

**REFERENCES**

- A. AASHTO T 51: Ductility of Bituminous Materials.
- B. AASHTO T 228: Specific Gravity and Density of Semi-Solid Bituminous Materials.
- C. AASHTO T 300: Force Ductility of Bituminous Materials.
- D. ASTM D 3405: Joint Sealants, Hot-Applied, for Concrete and Asphalt Pavements.
- E. ASTM D 4402: Viscosity Determinations of Unfilled Asphalts Using the Brookfield Thermosel Apparatus.
- F. ASTM D 5167: Melting of Hot-Applied Joint and Crack Sealant and Filler for Evaluation.
- G. ASTM D 5329: Sealants and Fillers, Hot-Applied, For Joints and Cracks in Asphaltic and Portland Cement Concrete Pavements.
- H. UDOT 8-967: Cold Bend Determination of Hot-Applied Bituminous Concrete Crack Sealants.

**1.4 SUBMITTALS**

- A. For each shipment of material, supply a vendor-prepared bill of lading showing the following information:
  - 1. Type and grade of material
  - 2. Type and amount of additives, used, if applicable
  - 3. Destination
  - 4. Consignee's name
  - 5. Date of Shipment
  - 6. Railroad car or truck identification
  - 7. Project number
  - 8. Loading temperature
  - 9. Net weight in English units
  - 10. Specific gravity
  - 11. Bill of lading number
  - 12. Manufacturer of asphalt material



## **1.5 DELIVERY, STORAGE AND HANDLING**

- A. Do not supply shipments contaminated with other asphalt types or grades than those specified.

## **1.6 QUALITY ASSURANCE**

- A. Sampling:
  - 1. Stockpile all sealant to be used on the project at the site at least ten working days prior to use, or at least twenty working days prior to use if stockpiled at the vendor's place of business.
  - 2. Place subsequent deliveries in separate, waterproofed, stockpiles. Notify the Engineer, or their representative when each stockpile has been established and is ready to be sampled.
  - 3. Sample by random not less than one of each lot or batch number (minimum sample size of 10 lbs).
  - 4. Place material only when the Engineer has approved it.
- A. Compliance: Failure to meet specification is not cause for claim or extension of contract. The Contractor is held liable for costs incurred in procuring and testing materials found to be out of specification.
- B. Dissimilar Materials: Prohibit mixing of different manufacturer's brands or different types of sealant.
- C. To produce the desired finished product, use materials suggested by the supplier.
- D. Accompany all shipments supplied to the Department with applicable Vendor Certificates as required by the Utah Department of Transportation.

## **PART 2 PRODUCTS**

### **2.1 HOT-POUR CRACK SEALANT FOR BITUMINOUS CONCRETE**

- A. Combine a homogenous blend of materials to produce a sealant meeting properties and tests in Table 1.
- B. Packaging and Marking: Supply sealant pre-blended, pre-reacted, and pre-packaged in lined boxes weighing no more than 30 lbs.
  - 1. Use a dissolvable lining that will completely melt and become part of the sealant upon subsequent re-melting.
  - 2. Deliver the sealant in the manufacturer's original sealed container.
  - 3. Clearly mark each container with the manufacturer's name, trade name of sealant, batch or lot number, application temperature range and the recommended safe heating and application temperatures.

**Table 1**

<b>Hot-Pour Bituminous Concrete Crack Sealant</b>	
<b>Application Properties:</b>	
Workability:	Pour readily over specified application temperatures and penetrate ¼ inch crack for the entire ambient temperature range recommended by the manufacturer.
Curing:	Cure sufficiently within 45 minutes of application, over the manufacturer's recommended ambient temperature range for application, to allow normal traffic without tracking.
Asphalt Compatibility: ASTM D 5329, Sec 14.	No failure in adhesion. No formation of an oily ooze at the interface between the sealant and the bituminous concrete or softening or other harmful effects on the bituminous concrete when tested at 140°F.
Material Handling:	Follow the manufacturer's safe heating and application temperatures.
<b>Test Method</b>	<b>Material Properties &amp; Test Procedures</b>
UDOT Method 967	<u>Cold Bend Flexibility</u> : No Cracks
AASHTO T 51	<u>Ductility</u> : Pull the standard specimen <sup>(a)</sup> a minimum of 11.8 inches at 0.4 inches/min. @ 39.2°F.
AASHTO T 300	<u>Force-Ductility</u> : Do not exceed a maximum force of 4.0 lbf on the standard specimen <sup>(a)</sup> during the specified elongation <sup>(b)</sup> : 11.8 inches @ 0.4 inches/min. @ 39.2°F.
ASTM D 5329	<u>Flow</u> : (Do not exceed 0.118 inches).
ASTM D 3406	<u>Tensile-Adhesion</u> : Comply with ASTM D-3406, Section 4.7 Tensile Adhesion; except that sealant specimens shall be cured 4 hours. (not 7 days).
AASHTO T 228	<u>Specific Gravity</u> : @ 60°F a maximum of 1.1400.
ASTM D 4402	<u>Viscosity</u> : <sup>(c)</sup> Material viscosity of 0.116 – 0.232 ksi at 300°F , as determined by the Brookfield Viscosity Test method, SC4-27 spindle, 20 rpm.
ASTM D 36	<u>Material Softening</u> : Minimum softening point of 199.94 °F.
(a) See AASHTO T 51. Modify Section 5.1 as follows: In filling, pour the material in a thin stream back and forth from end to end of the mold until level full. Do not trim. (b) See AASHTO T 300. Modify Section 4.2 as follows: In filling, pour the material in a thin stream back and forth from end to end of the mold until level full. Do not trim. (c) Modify Section 7.12 as follows: Allow the sample to equilibrate for 30 min. Modify Section 7.14 as follows: Record three readings, 30 minutes apart at the specified test temperature. Report the average of the three readings.	

**REPORTS**

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THE CONTRACTOR WILL SUBMIT A YEARLY USAGE REPORT TO THE STATE PURCHASING AGENT (ROSEMARY FRENCHWOOD) SHOWING QUANTITIES AND DOLLAR VOLUME OF PURCHASES BY EACH AGENCY AND POLITICAL SUBDIVISION. THIS REPORT WILL BE BY 05/13/02.

THIS CONTRACT RESULTED FROM BID# RF1146

FINET COMMODITY CODE(S): (FOR AGENCY USE ONLY)

74580000000 - RUBBER ASPHALT CRACK SEALING COMPOUND